

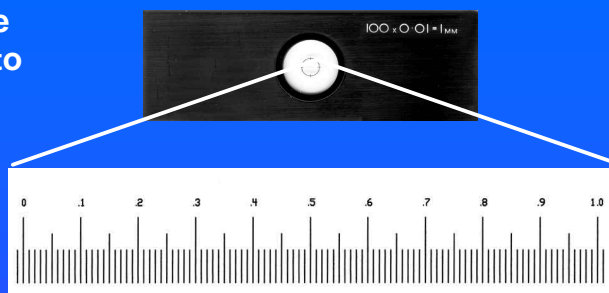
# Length Scale Interferometer Development and Line Scale Measurement Calibration Services Project Leader: William Penzes

## 2001 Deliverables

- Provide traceable calibration of graduated length scales, grid plates and long gage blocks (END Standards) for internal, U.S. and International customers.
- Update the control software of the Line Scale Interferometer (LSI) to continue to deliver accurate "Best-in-the-World" length measurements



Meter Bar



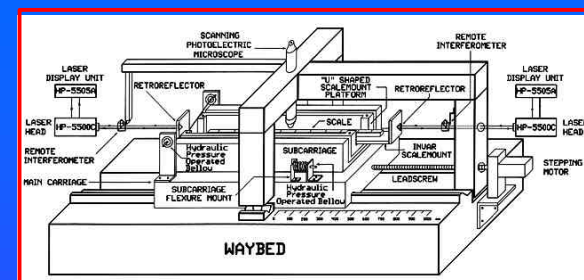
Stage Micrometer

## Customers and Collaborators

AMP Inc., Cubic Precision, Bausch & Lomb, Lockheed Martin Astronautics, Mitutoyo Co., Fryer Co. Inc., Whitehouse Scientific Ltd., First Energy Co., AK Steel Co., David L. Ellis Co. Inc., M&R Optical, B&W Services, TRW Space & Defense, Boeing Commercial Airplane Co., Max Levy Autograph, Compugraphics, Inc.

## FY 2000 Accomplishments

- Provided technical information for 47 customers.
- Completed the BIPM #12924 meter bar measurements.
- The SN3701 900 mm long gage block measurement was completed for the CLL-K2 round robin project.
- Provided high accuracy calibrations for 18 customers.



- The LSI Super Invar microscope support components machine work was completed.
- The LSI data acquisition and control software was modified.